



## SEQUENCE LISTING

<110> Sheppard, Paul O.  
Bishop, Paul D.

<120> Seleno-cysteine Containing Protein  
Zsnk13

<130> 00-87

<150> 60/256,676

<151> 2000-12-18

<160> 6

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1355

<212> DNA

<213> Agkistrodon piscivorus piscivorus

<400> 1

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<210> 2

<211> 110

<212> PRT

<213> Agkistrodon piscivorus piscivorus

<220>

<221> VARIANT

<222> (46)...(46)

<223> Xaa is selenocysteine.

<400> 2

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Ser Ala Leu Ala Pro Leu Arg Ala Val Gln Leu Asp Arg Ser Arg Leu
20          25          30
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Gln	Trp	Leu	Ala	Arg	Gly	Lys	Val	Glu	Ser	Cys	Gly	Gly	Xaa	Arg	Leu
		35					40					45			
Asn	Arg	Leu	Pro	Glu	Val	Lys	Ala	Phe	Leu	Asn	Glu	Asp	Leu	Pro	Leu
	50					55					60				
Tyr	His	Asn	Met	Asp	Leu	Lys	Tyr	Leu	Ala	Gly	Ala	Asp	Pro	Glu	Leu
65					70					75					80
Ile	Leu	Leu	Asn	Ile	Gln	Phe	Glu	Glu	Leu	Gln	Arg	Ile	Pro	Leu	Ser
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<210> 3  
 <211> 471  
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 <213> Artificial Sequence

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 <223> This degenerate nucleotide sequence encodes the amino acid sequence of SEQ ID NO:2.

<221> variation  
 <222> (1)...(471)  
 <223> N is A, G, C, or T.

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garwsntgyg	gnggnnnnmg nytnaaymgn ytnccngarg tnaargcntt yytnaaygar 180
gayytnccny	tntaycayaa yatggayytn aartayytn gnggngcnga yccngarytn 240
athytnytna	ayathcartt ygargarytn carmgathc cnytnwsnga yatgwsnmgn 300
gargaratha	aycarytnat gcargarytn ggnttytaym gnaargayac nccngaywsn 360
ccngtnccng	aygcnttyca ratggcnccn gcnaaywsny tncnwsnga ygtngargcn 420
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<210> 4  
 <211> 48  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Selenocysteine insertion motif.

<221> variation  
 <222> (5)...(14)  
 <223> N is A, T, G, or C.

<221> variation  
 <222> (15)...(16)  
 <223> N is A, T, G, C, or absent.

<221> variation  
 <222> (19)...(34)  
 <223> N is A, T, G, or C.

<221> variation  
 <222> (35)...(44)  
 <223> N is A, T, G, C, or absent.

<221> variation  
 <222> (45)...(45)  
 <223> N is A, T, G, or C.

<221> variation  
<222> (48)...(48)  
<223> N is A, T, G, or C.

<400> 4  
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<210> 5  
<211> 40  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Selenocysteine insertion element.

<400> 5  
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<210> 6  
<211> 44  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Selenocysteine insertion element.

<400> 6  
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